

TEMPERATURE SENSITIVE PATTERNED MEDIA TRANSDUCERS

Abstract of the Disclosure

Playback transducers for patterned media systems comprise temperature sensitive
5 resistors, including thermistors and resistance temperature detectors. The transducers are
typically thin film depositions mounted on a slider for flying head application. Possible
configurations are generally V-shaped, may involve parallel or perpendicular recording
geometry, and are conceptually similar to (but simpler in construction than)
magnetoresistive or giantmagnetoresistive thin film transducers. The transducers may
10 incorporate supplementary heating elements and/or coatings to optimize performance.